

Therapeutics II Supplemental Instruction  
September 30th, 2024  
Exam 2 Review

Bacterial Infections:

What is the class of the following microorganisms: (ex. Gram positive, gram negative, anaerobe, atypical, etc.)

- Proteus \_\_\_\_\_
- Legionella \_\_\_\_\_
- Enterococcus \_\_\_\_\_
- Mycoplasma \_\_\_\_\_
- Streptococcus \_\_\_\_\_
- Bacteroides fragilis \_\_\_\_\_
- Pseudomonas \_\_\_\_\_

Do the following medications cover MRSA?

TMP/SMX	Y	N
Doxycycline	Y	N
Tobramycin	Y	N
Cefdinir	Y	N
Amoxicillin	Y	N
Meropenem	Y	N
Ertapenem	Y	N
Ciprofloxacin	Y	N
Clindamycin	Y	N
Dalbavancin	Y	N
Piperacillin/Tazobactam	Y	N

Do the following medications cover Pseudomonas?

Amoxicillin	Y	N
Cefepime	Y	N
Ceftriaxone	Y	N
Levofloxacin	Y	N
Piperacillin/Tazobactam	Y	N
Tobramycin	Y	N
Ertapenem	Y	N
Meropenem	Y	N
Doxycycline	Y	N
TMP-SMX	Y	N

Which of the following agents covers atypical microorganisms?

- a. Amoxicillin/clavulanate
- b. Meropenem
- c. Azithromycin
- d. Cefepime

Which of the following agents covers anaerobic microorganisms?

- a. Amoxicillin/clavulanate
- b. Levofloxacin
- c. Cephalexin
- d. Vancomycin

Describe the meaning of the term prophylaxis antibiotics versus empiric antibiotics?

Antibiotics administered for surgical prophylaxis are infused within \_\_\_\_\_ hrs prior to surgery and are discontinued \_\_\_\_\_ hrs after surgery.

What is the most commonly used antibiotic for surgical prophylaxis?

Describe what an antibiogram shows and when and why it is used.

Generally, antibiotics should be avoided if the local antibiogram shows a susceptibility rate less than \_\_\_\_\_%

ENT Infections:

What is a possible antibiotic regimen for treatment of Group A Streptococcal pharyngitis for a child without a penicillin allergy?

What is a possible antibiotic regimen for outpatient treatment of acute bacterial rhinosinusitis with a Beta lactam allergy in an adult?

What are the three most common microorganisms that cause acute otitis media?

- a.
- b.
- c.

What is the recommended treatment for non-severe acute otitis media in a 1 year old child weighing 11kg, no beta lactam allergies, max temperature 101.2 F?

Meningitis

True or False: Bacterial meningitis can cause septic meningitis.

What viruses can cause aseptic meningitis?

What bacteria can cause bacterial meningitis?

List the classic triad meningitis symptoms:

- 1.
- 2.
- 3.

True or False: A patient with viral meningitis will have elevated neutrophils.

Empiric treatment for a 3 week old infant with bacterial meningitis should consists of:

- a. Vancomycin + ceftriaxone
- b. Ceftriaxone
- c. Ampicillin + cefotaxime

Empiric treatment for a 30 y/o patient with bacterial meningitis should consists of:

- a. Vancomycin + ceftriaxone
- b. Ceftriaxone
- c. Ampicillin + cefotaxime

The duration of treatment for the definitive treatment of bacterial meningitis caused by strep. Pneumoniae should be?

- a. 7-10 days
- b. 10-14 days
- c. 18-20 days
- d. Until labs return to normal

Daily monitoring while treating meningitis should include:

- a. Temperature
- b. WBC
- c. HR, RR, BP
- d. All of the above

## Exam 2 Review

Match the ART with the MOA:

- |                |                        |
|----------------|------------------------|
| A. Abacavir    | 1. NNRTI               |
| B. Bictegravir | 2. Integrase Inhibitor |
| C. Rilpivirine | 3. NRTI                |

Is tenofovir disoproxil fumarate or tenofovir alafenamide associated with more adverse effects?

Which two protease inhibitors are 'boosters'?

What is the duration of treatment for PEP?

Which infections should a patient receive prophylaxis for if their CD4 count is <150?

What is the first line prophylactic agent for *Pneumocystis jirovecii* pneumonia?

What is the first line treatment for gonorrhea?

What is the first line outpatient treatment for a woman with trichomoniasis?

What is the first line treatment (no PCN allergy) for tertiary syphilis?

Which of the following agents is recommended first line for HBV:

- a. Abacavir
- b. Entecavir
- c. Bictegravir
- d. Ritonavir

What are the most common adverse effects of Peginterferon therapy?

Which DAA for Hep C has an 8 week treatment duration:

- e. sofosbuvir/velpatasvir
- f. glecaprevir/pibrentasvir
- g. elbasvir/grazoprevir
- h. All of the above

